

Docket No. 220986US0X PCT



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Guy LUMIA, et al.

SERIAL NO: 10/089,162

GAU: 1746

FILED: March 27, 2002

EXAMINER: CARRILLO, B.S.

FOR: PROCESS FOR TREATMENT AND EXTRACTION OF ORGANIC CORK COMPOUNDS BY A DENSE FLUID UNDER PRESSURE

**INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97**

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

**REFERENCES**

- ☒ The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**RELATED CASES**

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

**CERTIFICATION**

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

**DEPOSIT ACCOUNT**

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.  
Norman F. Oblon

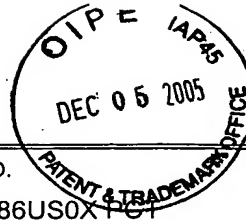
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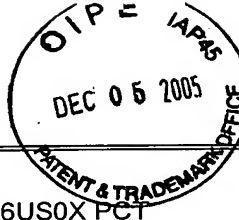
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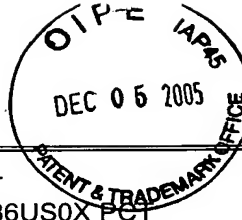
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Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 220986US0X161		SERIAL NO. 10/089,162	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Guy LUMIA, et al.			
				FILING DATE March 27, 2002		GROUP 1746	
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AAA	E. REVERCHON, et al., "Supercritical extraction of clove bud essential oil: isolation and mathematical modeling," Chemical Engineering Science, Volume 52, No. 20, 1997, Pages 3421-3428.					
	AAB	V. ILLÉS, et al., "Extraction of hiprose fruit by supercritical CO <sub>2</sub> and propane," Journal of Supercritical Fluids, 10, 1997, Pages 209-218.					
	AAC	P.M. TOMASULA, et al., "A Continuous Process for Casein Production Using High-pressure Carbon Dioxide," Journal of Food Engineering, 33, 1997, Pages 405-419.					
	AAD	H. LI, et al., "Isolation and NMR studies of di-D-fructose anhydride III from <i>Lycoris radiata</i> Herbert by supercritical extraction with carbon dioxide," Carbohydrate Research, 299, 1997, Pages 301-305.					
	AAE	E. REVERCHON, "Supercritical fluid extraction and fractionation of essential oils and related products," Journal of Supercritical Fluids, 10, 1997, Pages 1-37.					
	AAF	V. VANDANA, et al., "Supercritical Extraction and HPLC Analysis of Taxol from <i>Taxus brevifolia</i> Using Nitrous Oxide and Nitrous Oxide + Ethanol Mixtures," Fluid Phase Equilibria, 116, 1996, Pages 162-169.					
	AAG	L.A. GREEN, et al., "Supercritical CO <sub>2</sub> Extraction of Soil-Water Slurries," The Journal of Supercritical Fluids, 9, 1996, Pages 177-184.					
	AAH	G.D. PORTA, "Rose Concrete Fractionation by Supercritical CO <sub>2</sub> ," The Journal of Supercritical Fluids, 9, 1996, Pages 199-204.					
	AAI	L. OWENS, et al., "Characterization of vanadium / silica and copper / silica aerogel catalysts," Journal of Non-Crystalline Solids, 186, 1995, Pages 177-183.					
	AAJ	E. REVERCHON, et al., "Supercritical CO <sub>2</sub> Fractionation of Jasmine Concrete," The Journal of Supercritical Fluids, 8, 1995, Pages 60-65.					
	AAK	M. JAKOBSSON, et al., "Counter-Current Extraction of Dioxins from Cod Liver Oil by Supercritical Carbon Dioxide," The Journal of Supercritical Fluids, 7, 1994, Pages 197-200.					
	AAL	E. MITURA, et al., "The properties of diamond-like carbon layers deposited onto SiO <sub>2</sub> aerogel," Diamond and Related Materials, 3 (1994), Pages 868-870.					
	AAM	Z. KNEZ, "Solubility of Capsaicin in Dense CO <sub>2</sub> ," The Journal of Supercritical Fluids, 5, 1992, Pages 251-255.					
	AAN	M.B. KING, et al., "The Mutual Solubilities of Water with Supercritical and Liquid Carbon Dioxide," The Journal of Supercritical Fluids, 6, 1996, Pages 296-302.					
	AAO	Z. YU, et al., "Phase Equilibria of Oleic Acid, Methyl Oleate, and Anhydrous Milk Fat in Supercritical Carbon Dioxide," The Journal of Supercritical Fluids, 5, 1992, Pages 114-122.					
	AAP	Z. YU, et al., "Fluid-Liquid Equilibria of Anhydrous Milk Fat with Supercritical Carbon Dioxide," The Journal of Supercritical Fluids, 6, 1992, Pages 123-129.					
	AAQ	S. LI, et al., "Influence of Co-Solvents on Solubility and Selectivity in Extraction of Xanthines and Cocoa Butter from Cocoa Beans with Supercritical CO <sub>2</sub> ," The Journal of Supercritical Fluids, 5, 1992, Pages 7-12.					
Examiner					Date Considered		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							



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	AAA	M. YANAGIUCHI, et al., "Fundamental Investigation on Supercritical Extraction of Coal-Derived Aromatic Compounds," The Journal of Supercritical Fluids, 5, 1991, Pages 145-151.					
	AAB	M. JAKOBSSON, et al., "Extraction of Dioxins from Cod Liver Oil by Supercritical Carbon Dioxide," The Journal of Supercritical Fluids, 4, 1991, Pages 118-123.					
	AAC	M. KO, et al., "Solubility of the Antibiotic Penicillin V in Supercritical CO <sub>2</sub> ," The Journal of Supercritical Fluids, 4, 1991, Pages 32-39.					
	AAD	R.K. KESS, et al., "Supercritical Extraction of Phenol from Soil," The Journal of Supercritical Fluids, 4, 1991, Pages 47-52.					
	AAE	R.M. LANSANGAN, et al., "Binary Vapor-Liquid Equilibria Behavior in the Vicinity of Liquid-Liquid-Vapor Loci," Fluid Phase Equilibrium, 63, 1987, Pages 49-66.					
	AAF	S.A. EL-FATAH, et al., "Supercritical fluid extraction of hazardous metals from CCA wood," J. of Supercritical Fluids, 28, 2004, Pages 21-27.					
	AAG	B. AIKAWA, et al., "Catalytic hydrodechlorination of 1-chlorooctadecane, 9,10-dichlorostearic acid, and 12,14-dichlorodehydroabietic acid in supercritical carbon dioxide," Applied Catalysis B: Environmental, 43, 2003, Pages 371-387.					
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	AAI	L.H. MCDANIEL, et al., "Supercritical fluid extraction of wood pulp with analysis by capillary gas chromatography-mass spectrometry," Journal of Supercritical Fluids, 19, 2001, Pages 275-286.					
	AAJ	A. HASSAN, et al., "Modeling phase behavior of multicomponent mixtures of wood preservatives in supercritical carbon dioxide with cosolvents," Fluid Phase Equilibria, 179, 2001, Pages 5-22.					
	AAK	F.J. GONZALES-VILA, et al., "Supercritical carbon dioxide extraction of lipids from <i>Eucalyptus globules</i> wood," J. Biochem. Biophys. Methods, 4, 2000, Pages 345-351.					
	AAL	A.S. PIMENTAL, et al., "Chracterisations of polycyclic aromatic hydrocarbons in liquid products from pyrolysis of <i>Eucalyptus grandis</i> by supercritical fluid extraction and GC/MS determination," Fuel, Volume 77, No. 11, 1998, Pages 1133-1139.					
	AAM	J. BLUDWORTH, et al., "Reactive Extraction of Lignin from Wood Using Supercritical Ammonia - Water Mixtures," The Journal of Supercritical Fluids, 6, 1993, Pages 249-254.					
	AAN	H. LEE, et al., "In situ extraction and derivatization of pentachlorophenol and related compounds from soils using a supercritical fluid extraction system," Journal of Chromatography, 605, 1992, Pages 109-113.					
	AAO	M.A. SCHNEIDERMAN, et al., "Determination of Anthraquinone in Paper and Wood Using Supercritical Fluid Extraction and High-Performance Liquid Chromatography with Electrochemical Detection," Journal of Chromatography, 409, 1987, Pages 343-353.					
	AAP	E.C. MCDONALD, et al., "Chemicals from Forest Products by Supercritical Fluid Extraction," Fluid Phase Equilibria, 10, 1983, Pages 337-344.					
	AAQ	A.M. MIRANDA, et al., "High - Pressure Extraction of Cork with CO <sub>2</sub> and 1,4-Dioxane," High Pressure Chemical Engineering, 1996, Pages 417-422.					
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	AAA	D. CHOUCI, et al., "SFE of Trichloroanisole from Cork," The 4 <sup>th</sup> International Symposium on Supercritical Fluids, May 11-14, 1997, Sendai, Japan, Pages 379, 381-382.					
	AAB	E.J. BECKMAN, "Supercritical and near-critical CO <sub>2</sub> in green chemical synthesis and processing," J. of Supercritical Fluids, 28, 2004, Pages 121-191.					
	AAC	G. LUMIA, et al., "Cork Material Treatment by Supercritical CO <sub>2</sub> ," 8 <sup>th</sup> Meeting of Supercritical Fluids, Bordeaux 14-17, April 2002, Pages 1-6.					
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